

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10805044	
	Filing Date		2007-10-16	
	First Named Inventor	Jung		
	Art Unit	1639		
	Examiner Name	Christopher M. Gross		
	Attorney Docket Number	4240-104		

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	5474895	A1	1995-12-12	Ishii, Jennifer K., et al.	
	2	5866434	A1	1999-02-02	Massey, Richard J., et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S. PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20030012723	A1	2003-01-16	Clarke, M.	
	2	20020178434	A1	2002-12-05	Dai, Hongjie, et al.	
	3	20040142285	A1	2004-07-22	Jung, M. et al.	
	4	20050214195	A1	2005-09-29	Jung, H. et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10805044
Filing Date	2007-10-16
First Named Inventor	Jung
Art Unit	1639
Examiner Name	Christopher M. Gross
Attorney Docket Number	4240-104

5	20020172963	A1	2002-11-21	Kelley, Shana O., et al.	
6	20060003401	A1	2006-01-05	Lee, S. et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button. [Add](#)

FOREIGN PATENT DOCUMENTS

[Remove](#)

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	Ts
	1	9607487	WO	A1	1996-03-14	Bethell, Donald, et al.		<input type="checkbox"/>
	2	20040107225	KR	A	2004-12-20	Hwan, J. et al.		<input type="checkbox"/>
	3	20040107225	KR	A	2004-12-20	Hwan, J. et al. (English translation of abstract)		<input type="checkbox"/>
	4	20040107763	KR	A	2004-12-23	Hwan, J. et al.		<input type="checkbox"/>
	5	20040107763	KR	A	2004-12-23	Hwan, J. et al. (English translation of abstract)		<input type="checkbox"/>
	6	02086168	WO	A1	2002-10-31	Lomas, L.		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button. [Add](#)

NON-PATENT LITERATURE DOCUMENTS

[Remove](#)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10805044
Filing Date	2007-10-16
First Named Inventor	Jung
Art Unit	1639
Examiner Name	Christopher M. Gross
Attorney Docket Number	4240-104

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	BANDYOPADHYAYA, R. ET AL., "Stabilization of Individual Carbon Nanotubes in Aqueous Solutions", 11/22/2001, Page(s) 25-28, Volume 2, Number 1	<input type="checkbox"/>
	2	BOCKWRATH, M. ET AL., "Single Electron Transport in Ropes of Carbon Nanotubes", "Science", 3/28/1997, Page(s) 1922-1925, Volume 275	<input type="checkbox"/>
	3	CHAMBERS, G. ET AL., "Characterization of the Interaction of Gamma Cyclodextrin with Single Walled Carbon Nanotubes", "Nano Letters", 4/19/2003, Page(s) 843-846, Volume 3, Number 6, Publisher: American Chemical Society	<input type="checkbox"/>
	4	CHEN, J. ET AL., "Solution Properties of Single Walled Carbon Nanotubes", "Science", 10/2/1998, Page(s) 95-98, Volume 282	<input type="checkbox"/>
	5	CHEN, J. ET AL., "Lifetime- and Color-Tailored Fluorophores in the Micro- to Millisecond Time Regime", "J. Am. Chem. Soc.", 1/15/2000, Page(s) 657-660, Volume 122, Publisher: American Chemical Society	<input type="checkbox"/>
	6	CHEN, J. ET AL., "Noncovalent Engineering of Carbon Nanotube Surfaces by Rigid Functional Conjugated Polymers", "J. Am. Chem. Society Communications", 7/13/2002, Page(s) 9034-9035, Volume 124	<input type="checkbox"/>
	7	DAHNE, L. ET AL., "Fabrication of Micro Reaction Cages with Tailored Properties", "J. Am. Chem. Soc.", 5/18/2001, Page(s) 5431-5436, Volume 123, Publisher: American Chemical Society	<input type="checkbox"/>
	8	GEORGAKILAS, V. ET AL., "Amino Acid functionalisation of water soluble carbon nanotubes", "Chem. Commun.", 11/14/2002, Page(s) 3050-3051	<input type="checkbox"/>
	9	HERGENROTHER, P. ET AL., "Small-Molecule Microarrays: Covalent Attachment and Screening of Alcohol-Containing Small Molecules on Glass Slides", "J. Am. Chem. Soc.", 2000, Page(s) 7849-7850, Volume 122, Publisher: American Chemical Society	<input type="checkbox"/>
	10	HOUSEMAN, B. ET AL., "Towards quantitative assays with peptide chips: a surface engineering approach", "TRENDS in Biotechnology", 5/10/2002, Page(s) 279-281, Volume 20, Number 7, Publisher: Elsevier Science Ltd	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10805044
Filing Date	2007-10-16
First Named Inventor	Jung
Art Unit	1639
Examiner Name	Christopher M. Gross
Attorney Docket Number	4240-104

11	JIANG, K. ET AL., " Selective Attachment of Gold Nanoparticles to Nitrogen-Doped Carbon Nanotubes ", "Nano Letters", 2/13/2003, Page(s) 275-277, Volume 3, Number 3, Publisher: American Chemical Society	<input type="checkbox"/>
12	KANG, Y. ET AL., "Micelle encapsulated Carbon Nanotubes: A Route to Nanotube Composites ", "J. AM. Chemical Society", 4/19/2003, Page(s) 5650-5651, Volume 125	<input type="checkbox"/>
13	MATSUSHIGE, K. ET AL., "Nanoscale control and detection of electric dipoles in organic molecules", "Nanotechnology 9", 1998, Page(s) 208-211, Publisher: IOP Publishing Ltd	<input type="checkbox"/>
14	MITCHELL, C. ET AL., "Dispersion of Functionalized Carbon Nanotubes in Polystyrene", "Macromolecules ", 9/28/2002, Page(s) 8825-8830, Volume 35, Publisher: American Chemical Society	<input type="checkbox"/>
15	MOLL, D. ET AL. , "S-layer streptavidin fusion proteins as template for nanopatterned molecular arrays", "PNAS", 11/12/2002, Page(s) 14646-14651, Volume 99, Number 23	<input type="checkbox"/>
16	O'CONNELL, M. ET AL., "Reversible water solubilization of single walled carbon nanotubes by polymer wrapping", "Chemical Physical Letters", 7/31/2001, Page(s) 265-271, Volume 342, Publisher: Elsevier	<input type="checkbox"/>
17	PANTAROTTO, D. ET AL., "Immunization with Peptide-Functionalized Carbon Nanotubes Enhances Virus Specific Neutralizing Antibody Responses", "Chemistry and Biology ", 10/2003, Page(s) 961-966, Volume 10	<input type="checkbox"/>
18	PUM, D. ET AL., "The application of bacterial S-layers in molecular nanotechnology", "Nanotechnology", January 1999, Page(s) 8-, Volume 17	<input type="checkbox"/>
19	RAO, A. ET AL. , "Diameter Selective Raman Scattering from Vibrational Modes in Carbon Nanotubes", "Science", 1/10/1997, Page(s) 187-191, Volume 275	<input type="checkbox"/>
20	SCHENA, MARK, ET AL., "Quantitative monitoring of gene expression patterns with a complementary DNA microarray", "Science", October 20, 1995, Page(s) 467-470, Volume 270	<input type="checkbox"/>
21	STAR, A. ET AL., "Dispersion and Solubilization of Single Walled Carbon Nanotubes with a Hyperbranched Polymer", "Macromolecules", 8/8/2002, Page(s) 7516-7520, Volume 35	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10805044
Filing Date	2007-10-16
First Named Inventor	Jung
Art Unit	1639
Examiner Name	Christopher M. Gross
Attorney Docket Number	4240-104

22	STELZLE, M., ET AL., "On the Application of Supported Bilayers as Receptive Layers for Biosensors with Electrical Detection", "J. Phys. Chem.", 1993, Page(s) 2974-2981, Volume 97, Publisher: American Chemical Society	<input type="checkbox"/>
23	VIJAYENDRAN, RAVI A., ET AL., "A Quantitative Assessment of Heterogeneity for Surface-Immobilized Proteins", "Analytical Chemistry", 2/1/2001, Page(s) 471-480, Volume 73, Number 3, Publisher: American Chemical Society	<input type="checkbox"/>
24	WANG, Z. ET AL., "A selective voltammetric method for uric acid detection at B-cyclodextrin modified electrode incorporating carbon...", "The Royal Society of Chemistry", 8/29/2002, Page(s) 1353-1358, Volume 127	<input type="checkbox"/>
25	Copending U.S. Application Ser. No. 10/860,544	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button **Add**

EXAMINER SIGNATURE

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.